

Institute of Nutrition. 25 Years of Work in  
the Field of Diatotherapy, Prospects of Further  
Development, by F. K. Menshikov, 15 pp.  
UNCLASSIFIED

RUSSIAN, bimo per, Vop Pitan, Vol XVI, No 1,  
Jan-Feb 1957, Moscow, pp 18-23.

US JPRS/DC-L-66

Sci - Med  
Mar 58

60,196

Application of Ionizing Radiation for the  
Preservation of Food Products, by A. N. Liberman,  
7 pp.

RUSSIAN, per, Voprosy Pitaniya, Vol VI, 1957,  
pp 52-57.

ACSI, E-4681

Sci - Med

Sep 59

97,866

The Cobalt Content of Most Customary Food Stuffs,  
by A. S. Skoropostizhnaya.  
RUSSIAN, per, Voprosy Pitaniya, Vol 16, No 1, 1957,  
pp 59-62.  
\*NTIS TT 71-51024

Dec 71

The Content of Copper in Food Products, Canned Food  
and Cooked Food, by L. N. Lapin.

RUSSIAN, per, Voprosy Pitaniya, Vol 16, No 1, 1957,  
pp 62-65.

\*NTIS TT 71-51024

Dec 71

Distribution of Microelements in Vegetables, by  
L. K. Zhukovskaya.  
RUSSIAN, per, Voprosy Pitaniya, Vol 16, No 3, 1957,  
pp 43-47.  
\*NTIS TT 71-51024

Dec 71

The Influence of Irradiation Upon the Physico-chemical and Organoleptic Properties of Sunflower Oil, by K. I. Zhuravlev, 5 pp.

<sup>a</sup>  
RUSSIAN, per, Voprosy Pitaniya, Vol XVI, No 4, 1957, pp 60-64.

ACSI, H-1335

Sci - Chem

Jul 58

67,127

Development of the Science of Human Nutrition in the USSR  
During the Forty Years of Soviet Power, by O. P.  
Molchanova, 8 pp.

RUSSIAN, per, Voprosy Pitaniy, Vol XVI, No 5, 1957,  
pp 3-8.

FDD/X-3491

Sci - Med  
May 59

N 1 H 0-21

Clinic and Treatment of Obesity,  
by M. V. Egorov, L. M. Levitskiy.  
RUSSIAN, per, Voprosy Pitaniya, Vol 16,  
No 5, 1957, pp 36-44.  
OTS TT-64--19443

NIH-In. 4-34

Sci-B&M  
Jul 66

306,437



The Individual Amino Acid Requirements in Man, by  
A. E. Sharpnak.

RUSSIAN, per, Voprosy Pitaniya, Vol XVI, No 6, 1957,  
pp 9-17.

NLL RTS 2315 (LOAN)

Sci  
Feb 64

Ionizing Radiation for the Preservation of Foodstuffs,  
by A. N. Liberman, 8 pp.

RUSSIAN, per, Voprosy Pitanii, Vol XVI, No 6,  
1957, pp 52-56. 9080942

NE 10. 1002

ARE

ARE, Harwell

HP Tr-692

170.212

Sci - Med  
Oct 61

Dietary Fats of Different Varieties and Their  
Effect on the Digestion of Fat and Retention of  
Nitrogen, by M. N. Markova.

RUSSIAN, per, Voprosy Pitaniya, Vol XVI, No 15,  
1957.

MMH

Sci - Med  
Oct 59

99,625

Kuznetsov, M. I. and Udalov, Yu. F.  
THE INFLUENCE OF HIGH EXTERNAL TEM-  
PERATURE ON THE METABOLISM OF VITAMINS.  
[1962] [13]p. 11 refs.  
Order from OTS or SLA \$1.60 62-14714

Trans. of Voprosy Pitaniya (USSR) 1958 [v. 17]no. 1,  
p. 18-24.

DESCRIPTORS: Temperature, Climatic factors,  
\*Metabolism, \*Vitamins, Thiamine, Ascorbic acid,  
Vitamin B complex.

Experiments indicated that there occurs a disruption  
in the metabolism of vitamins C, B<sub>1</sub> and B<sub>2</sub> in the  
human as well as in the animal organism under con-  
ditions of extreme external high temperature, which  
indicates that under these conditions the vitamin C,  
B<sub>1</sub> and B<sub>2</sub> requirements increase.  
(Biological Sciences--Physiology, TT, v. 8, no. 9)

62-14714

I. Kuznetsov, M. I.  
II. Udalov, Yu. F.

Office of Technical Services

8-4198

(NY-1565)

The Role of Starvation in the Metabolism  
of Hepatic Glycogen During Radiation  
Sickness in Animals, by G. P. Toropova,  
8 pp.

RUSSIAN, bino per, Voprosy Pitaniya, Vol XVII,  
No 1, Moscow, 1958, pp 50-54.

SLA 61-1265

US JPRS/NY-L-225

AEC TT 915

Sci - Medicine, radiation biology

67,293

On the Specific Fermentative Adaptability of  
the Alimentary Tract, by G. K. Shlygin. UNCL

RUSSIAN, per, Voprosy Pitanija, Vol XVII, No 2,  
1958, pp 3-14.

DSIR LHM RTS 1034

Sci - Med  
Jul 59

90,694

The Role of Vitamin P in Cholesterol Metabolism  
in Rabbits, by U. E. Grigor'yeva, 7 p.

RUSSIAN, per, Voprosy Pitaniya, 1958, Vol XVII,  
pp 34-39.

ATB-48L33R

Sci  
Feb 60  
Vol 2, No 12

108,206

The Determination of Residual Quantities of  
Chlortetracycline in Fish, by G. B. Dubrova.  
USCL

RUSSIAN, per, Voprosy Pitaniya, No 17, 1958. <sup>VOL</sup> Jul-Aug

DSIR Lending Library Unit

N.147

Biol;

Sci - Chem

Apr 59

85,103



S-4945

(DC-2567).

Vitamin B<sub>1</sub> and C Requirements During Participation  
in Sports, by N. N. Yakovlev, 11 pp.

RUSSIAN, per, Voprosy Pitaniya, Vol VIII, No 3,  
1958, pp 3-9.

JPRS-L-1776-D

Sci - Med  
Jul 59

92,955

S-4945

(DC-2567).

Standardization of the Food Ration; by Season and  
Climatic Zone, by I. S. Kandror, 6 pp.

RUSSIAN, per, Voprosy Pitaniya, Vol. VIII, No 3,  
1958, pp 9-12.

JPRS-L-1777-D

Sci - Med  
Aug 59

93, 348

S-4945

(DC-2567).

Characteristics of Changes in the Ratios of  
Blood Serum Proteins in Rats Under the Action  
of X-Rays Against a Background of Varied Nutrition,  
by A. A. Oganezova, 9 pp.

RUSSIAN, per, Voprosy Pitaniya, Vol VIII, No 3,  
1958, pp 38-43.

JPRS-L-1778-D

Sci - Med  
EXX Aug 59

93,349

Certain Data From the Study of Vitamin C  
Requirement in Children, by S. A. Kosenko,  
E. A. Kraiko. UNCL

RUSSIAN, per, Voprosy Pitaniya, Vol XVII, No 4, / 1958,  
pp 24-28.

DSIR LII PTS 1032

10a. Od.

95, 996

Sci - Chem  
Aug 59

The Histological Structure of the Connective  
Tissue of Meat, the Collagen Content and its  
Stability, by V. I. Kurko, 4 p.

RUSSIAN, per, Voprosy Pitaniya, 1958, Vol XVII,  
No 4, pp 58-61.

ATS-14L328

61-041-2283

Sci  
Jan 60  
Vol 2, No 8

105,489

(2331-D)

The Influence of Nutrition on the Course of  
Radiation Injuries in Animals, by M. F.  
Nesterin, G. P. Yerevin, 11 pp.

RUSSIAN, per, Voprosy pitaniya, Vol XVII, No 5,  
~~RUSSIAN-ENGLISH~~ ~~1958~~ ~~1958~~  
Moscow, 1958, pp 3-8.

UB SPAS L-1437-D

Sci - Medicine  
Feb 59

80,742

(2331-D)

The Aftereffect of Ionizing Radiation on the  
Vitamin C and Carotene Content of Certain  
Preparations and Foodstuffs, by G. M. Yegizarov,  
4 pp.

RUSSIAN, per, Voprosy pitaniya, Vol XVII, No 5,  
Moscow, 1958, pp 9-11.

US JPRS L-1438-D✓

Sci - Medicine  
Feb 59

80,743

Extracts only:

The Hygienic Characteristics of Potatoes  
Irradiated With Radioactive Cobalt for the  
Arrest of Sprouting, by L. A. Okuneva, 7 pp. UNCL

RUSSIAN, per, Voprosy Pitaniya, No 5, 1958, pp 49-53.  
9042134

DSIS, Def Res Bd  
Canada  
Tr 54

Sci - Biol  
Sep 59

96, 841



(2331-D)

The Use of Roentgen Units and the Ultrasonic Defectoscope in the Sanitary Evaluation of Food Products, by L. G. Mereshina, 3 pp.

RUSSIAN, per, Voprosy Pitaniya, Vol XVII, No 5, M Moscow, 1958, pp 79-81.

US JPRS L-1439-D

Sci - Medicine

Feb 59

80,744

S-5158

(NY-2569)

The Prospective Plan For Development of the  
National Economy of the USSR and the Most  
Important Tasks of Soviet Science in Nutrition,  
by O. P. Molchanova, 4 pp.

RUSSIAN, per, Voprosy Pitaniya, Vol XVIII, No 1,  
Jan/Feb 1959, pp 3-6.

JPRS-L-813-M

Sci - Med  
Jun 59

89,733

Effect of an Apple Diet on the Clinical Manifestation  
of Hypertensive Disease, by B. S. Levin, 20 pp.

RUSSIAN, per, Voprosy Pitaniya, Vol XVIII, No 1,  
1959, pp 26-34. 9074390

NIR 1-10-61

Sci - Med  
Mar 61

141,637

Dec 61

Methods for Studying the Actual Nutrition of  
the Population, by V. F. Katsitadze, 6 pp.

*U.S. XVIII, 1959*  
RUSSIAN, per, Voprosy Pit, Vol I, 1959, pp 68-71.

MMH 8-8-61

175,042

Sci - Med

Determination of Iron With the Aid of Komplexone  
(Trilone B) in Various Food Products, Wines and  
Mineral Waters, by A. B. Arutyunov, P. A. Bakalyan,  
3 pp.

*Vol XXIII, No 2,*

RUSSIAN; per, Voprosy Pitaniya, ~~Vol~~ II, 1959, pp 84-87.

NIN 6-35-61

*175,914*

Sci - Med

Dec 61

S-5242

(NY-2661).

The Effect of Vibration on the Metabolism of  
Certain Vitamins in the Human Body, by M. I.  
Kuznetsov, Yu. F. Udalov, N. A. Chelnokova, 6 pp.

RUSSIAN, per, Voprosy Pitaniya, No 3, 1979, pp 14-27.

JPRS-L-892-B

HEH Sci  
Med - Physiology  
Aug 59

94,696

8-5242

(NY-2661).

Parenteral Protein Feeding in Radiation Sickness, by  
N. F. Koshelev, 9 pp.

RUSSIAN, per, Voprosy Pitaniya, No 3, 1959,  
pp 36-40.

JPRS-L-893-N

Sci - Med, Radiology  
Aug 59

94, 695

Optimal Provision of Vitaminc C For Parturients, by  
8 pp.

RUSSIAN, per, Voprosy Pitaniya, Vol XVIII, No 5,  
1959, pp 42-46.

FDD X-4681

Sci - Med  
Jul 61

159, 188



S-101/60

(NY-3732)

Complexon-3 in Food Products and Its Effect on  
Metabolism, by Libor Bozar, 9 pp.

RUSSIAN, per, Voprosy Pitaniya, Vol XIX, No 1,  
1960, pp 22-27.

JPRS 2796

Sci - Med

Jun 60

120,120

S-101/60

(NY-3732)

A New Preparation for Parenteral Nutrition --  
Aminophospholipid, by T. I. Golubev, 7 pp.

RUSSIAN, per, Voprosy Pitaniya, Vol XIX, No 1,  
1960, pp 35-38.

JPRS 2797

Sci - Med

Jul 60

120,040

Effect of Methionine on Higher Nervous Activity  
in Protein-Deficient Rats, by I.A. Alekseeva,  
S. I. Kaplanskaya-Raiskay, 6 pp.  
RUSSIAN, per, Voprosy Pitaniya, vol. 19, no. 1,  
1960, pp.45-48.  
CFSTI TT 69-53025

Sci/btq  
Apr 70

404,968

Relationship Between the Metabolism of Riboflavin  
and That of Sulphur - Containing Amino Acids and  
Tryptophane, by S. G. S Aptekar.

RUSSIAN, per, Voprosy Pitaniya, Vol XIX, No 1, 1960,  
pp 54-55.

NIL RFB 2243

Sci -  
Jul 63

238,180

S-101/60

(NY-3732)

The Problem of the Harmlessness of Using Food  
Products Sterilized by Means of Ionizing Radiation,  
by G. M. Yegiazarov, 6 pp.

RUSSIAN, per, Voprosy Pitaniya, Vol XIX, No 1, 1960,  
pp 63-66.

JPRS 2798

Sci - Med

Jul 60

120,033

S-328/60

(NY-3945)

The Problem of Hygienic Evaluation of the Quality  
of Meat Irradiated With Ionizing Radiations, by  
I. M. Buznik, 10 pp.

RUSSIAN, per, Voprosy Pitaniya, Vol XIX, No 2,  
1960, pp 63-69.

JPRS 2832

Sci - Med - Sanitation and Hygiene

Jul 60

120,068

Transcaucasian Inter-Republic Scientific-Practical  
Conference on Problems of Nutritional Hygiene,  
by A. B. Arutyunov.

RUSSIAN, per, Voprosy Pitaniya, Vol XIX, No 2, 1960,  
pp 92-95.

JPRS 5015

Sci - Med

Oct 60

The Effect of Low Gamma-Ray Doses on the Preservation  
of Vitamins in Foodstuffs, by G. M. Egidarev.

RUSSIAN, For, Voprosy Pitaniya, Vol XIX, No 4, 1960,  
pp 54-53.

AERE, Harwell Tr-332

Sci - Phys  
Jul 62

202,220



S-624/60

(DC-4370)

Some Data on the Radioactivity of Vegetables,  
by M. V. Kozlova, 4 pp.

RUSSIAN, per, Voprosy Pitaniya, Vol XIX, No 4,  
1960, pp 83-85.

JPRS 3979

Sci - Biol

Sep 60

127,075

Novotny, A. and Shtelovskaya, V.  
DIET STUDIES IN A GROUP OF WORKERS AT A  
PLANT FOR HEAVY MACHINERY, AND THE  
POSSIBILITY TO ENRICH THEIR DAILY FOOD  
RATIONS WITH VITAMINS UNDER PUBLIC SPON-  
SORSHIP. [1961] 9p. (refs. 4 figs. omitted) 4 refs.  
Order from OTS or SLA \$1.10 62-10255

Trans. of Voprosy Pitaniya (USSR) 1960, v. 19  
[no. 5] p. 6-13.

DESCRIPTORS: \*Nutrition, Food, \*Diet, \*Vitamins,  
Ascorbic acid, Thiamine, Vitamin B, Additives,  
Effectiveness

Some 151 machine operators in a large industrial  
plant served as experimental subjects. For 8 months  
(Feb. to Oct.) the breakfasts of 76 of these subjects  
were enriched with synthetic vitamins (130 mg of  
vitamin C, 2.5 mg of B<sub>1</sub>, and 1.5 mg of B<sub>2</sub>). The  
(Food, TT, v. 8, no. 1) (over)

62-10255

I. Novotny, A.  
II. Shtelovskaya, V.

Office of Technical Services

Vankhanen, V. D.  
THE PROBLEM OF THE RATIONAL FEEDING OF  
CHILDREN WITH VITAMINS WHEN THE CHILDREN  
ARE IN THE PIONEER (i. e. COMMUNIST YOUTH  
ORGANIZATION) CAMPS. [1961] 9p. (2 figs. 3 tables  
omitted) 5 refs.  
Order from OTS or SLA \$1.10 61-20863

Trans. of Voprosy [i] Pitan[iya] (USSR) 1960, v. 19  
[no 5] p. 15-18.

DESCRIPTORS: \*Children, \*Nutrition, \*Vitamins,  
Food, Ascorbic acid, Thiamine, Diet, Proteins,  
Public health

(Food, TT, v. 7, no. 10)

61-20863

I. Vankhanen, V. D.

Office of Technical Services

Babadzhanyan, M. G., Kalnyn', V. R. and others.  
THE INFLUENCE OF ADDITIONAL DOSES OF  
VITAMINS UPON CERTAIN PHYSIOLOGICAL FUNC-  
TIONS OF THE ORGANISM OF THE WORKERS OF  
ELECTRO-LOCOMOTIVE TEAMS [Vliyanie Dopol-  
nitel'nogo Priema Vitaminov na Nekotorye Fiziologi-  
cheskie Funktsii Organizma Rabotnikov Lokomotivnykh  
Brigad Elektrovozov]. [1961] 12p. (3 figs. 1 table [Eng.  
summary 1 ref.] omitted).

Order from OTS or SLA \$1.60

61-20202

Trans. of Vopros[y] Pitan[iya] (USSR) 1960, v. 19  
[no. 5] p. 18-24.

DESCRIPTORS: \*Nutrition, \*Vitamins, \*Fatigue (phys-  
iology), Engineering personnel, Public health

Data were obtained showing that polyvitamin dosage  
would cut down the fatigue as determined on the base  
of perceptonal analysis.  
(Food, TT, v. 7, no. 10)

61-20202

I. Babadzhanyan, M. G.  
II. Kalnyn', V. R.

Office of Technical Services

(NY-5199)

Effect of Therapeutic Diet Upon the Functional  
Condition of the Cerebral Cortex in Patients With  
Coronary Atherosclerosis (Electroencephalographic  
Data), by E. G. Paramonova, 8 pp.

RUSSIAN, per, Voprosy Pitaniya, Vol XIX, No 5,  
1960, pp 24-28.

JPRS 7186

135,715

Sci - Med

Dec 60

(NY-5199)

The Hygienic Study of Grain Irradiated With  
Radioactive Cobalt, by Ye. N. Vasil'yeva,  
L. A. Okuneva, Yu. P. Kukol', 7 pp.

RUSSIAN, per, Voprosy Pitaniya, Vol XIX, No 5,  
1960, pp 59-61.

JPBS 7169

Sci - Med

Dec 60

135,836

Sanitary and Bacteriological Control Analysis in the  
Fish Preserving Industry (O Sanitarno-Bakteriologiches-  
kikh Kontrol'nykh Analizakh v Rybokonservnoi  
Promyshlennosti), by Yu. A. Ravich-Shcherbo, *4 pp.*

RUSSIAN, per, Voprosy Pitaniia, Vol XIX, No 5,  
1960, pp 79-82.

\*PL-480

OTS 63-11119

Sci =  
Aug 63

(SF-1673)

Effects of Irradiated Food Products on the Reproductive  
Function of Rats and on Their Progeny, by G. I.  
Bondarev, 6 pp.

RUSSIAN, per, Voprosy Pitaniya, Vol XIX, No 6,  
1960, pp 18-22.

JPRS 4601

Sci - Med

153, 941

Jun 61



A Method for Determining Fluorine in Foodstuffs  
and in Organs and Tissues of Animals, by  
S. K. Gushchin, 9 pp.  
RUSSIAN, per, Voprosy Pitanija, Vol XIX, No 6,  
1960, pp 71-74. 8228767  
AEC-UCRL-TT-1189 (L)

Sci-B/M  
May 65

280,237

(NY-5948)

Change of Certain Indices of the Blood  
Coagulation System in Atherosclerotic Patients  
Against a Background of Varying Diets, by K. M.  
Loriye, 6 pp.

RUSSIAN, per, Voprosy Pitaniya, Vol XX, No 1,  
Jan/Feb 1961, pp 35-38.

JPRS 9043

Sci - Med

149,408

Apr 61

Use of the Complement Fixation Reaction  
(CFR) in Quantitative Determination of  
Botulinal Toxin Type A, by T. A. Kalitina.  
RUSSIAN, per, Vop Pitan, Vol 20, 1961,  
pp 62-64.  
HEW NIH 2-53-66 (On Loan)

Sci/B&M  
Apr 66

298,476

S-36/61

(NY-5948).

The Effect of Calcium and Potassium Salts on the  
Higher Nervous Activity and Arterial Blood Pressure  
of Dogs With Experimentally Induced Hypertension, by  
L. F. Roshchina,

RUSSIAN, per, Voprosy Pitaniya, Vol XX, No 1,  
1961, pp 62-73.

\*JPRS

Sci - Med

23 Feb 61

Mineral Content of Fish (Soderzhanie Mineral'  
Nykh Elementov v Miase Ryb), by N. E. Kasinova, 4 pp

RUSSIAN, per, Voprosy Pitaniia, Vol XX, No 1,  
1961, pp 74-77. 9214984

PL-480

OTS-63-11113

Sci -  
Aug 63

(NY-6345)

Metabolism During the Performance of Athletic Exercises and the Nutritional Requirements of Sportsmen, by N. N. Yakovlev, 15 pp.

RUSSIAN, per, Voprosy Pitaniya, Vol XX, No 2, Mar/Apr 1961, pp 3-10.

JPRS 9524

Sci - Med

158, 589

Jul 61

Mineral Composition in Certain Types of Fish and  
Verification of Correlations Between the Mineral  
Elements and Protein Level Therein, by Ye. N. Vasilieva.  
RUSSIAN, per, Voprosy Pitaniya, Vol 20, No 2, 1961,  
pp 54-59.  
\*NTIS TT 71-51024

Dec 71

(NY-6345)

Complement Fixation Test in Quantitative  
Determination of the A-Type Botulin Toxin, by  
T. A. Kalitina, 5 pp.

RUSSIAN, per, Voprosy Pitaniya, Vol XX, No 2,  
Mar/Apr 1961, pp 62-64.

JPRS 9525

Sci - Med

Jul 61

158, 588



(SF-1878)

Second All-Union Conference on the Problem of Fat  
in Nutrition, by N. D. Bukhman, 6 pp.

RUSSIAN, per, Voprosy Pitaniya, No 3, 1961, pp 91-94.

JPRS 11455

Sci - Med

Jan 62

178,400

Iodine Content in Food Products and Alimentary Pattern  
of the Population Within One of the Nidi of Endemic  
Goitre, by Yu. N. Yeregin.

RUSSIAN, per, Voprosy Pitaniya, Vol 20, No 4, 1961,  
pp 37-40.

\*NTIS TT 72-51055

Aug 72

(SP-1879)

Latest Hygiene Data on the Application of Toxic  
Chemicals for Combating Food-Crop Pests, Weeds, and  
Animal Ectoparasites, by A. I. Gitenberg, M. G.  
Shchedenko, Yu. I. Shiller, 8 pp.

RUSSIAN. per. Voprosy Pitaniya, No 4, 1961.

JPRS 11193

Sci - Med

Doc 61

176.417

Nov 61

(37-2374)

The Comparative Nutritional Value of Nations Concentrate  
of Food Concentrates, by V. P. Karandayeva, 7 pp.

RUSSIAN, per, Voprosy Pitaniya, Vol XX, No 4, 1961,  
pp 52-56.

JPRES 10525

Sci - Med

174, 028

Nov 61

A New Method for Estimation of Copper Content in  
Food Products, by V. S. Gryuner.  
RUSSIAN, per, Voprosy Pitaniya, Vol 20, No 4, 1961,  
pp 66-69.  
\*NTIS TT 71-51024

Dec 71

Interrelationship Between the Content of Some Trace  
Elements and Vitamins in Food Products, by

V. L. Kamchatnov.

RUSSIAN, per, Voprosy Pitannia, Vol 20, No 4, 1961,  
pp 74-76.

\*NTIS TT 72-51059

Aug 72

(NY-6503)

News of Soviet Medicine, by N. N. Yakovlev,  
12 pp.

RUSSIAN, per, Voprosy Pitaniya, No 4,  
1961, pp 91-102.

JPRS 12098

Sci - Med

180,170

Jan 62

The Effect of a Low Protein Diet and of a Deficiency  
of Sulphur - Containing Amino Acids on the Quantity  
of Phosphopyridinenucleotides in the Liver of Rats,  
by H. M. Fil'chagin.

RUSSIAN, per, ~~Magazine~~ Voprosy Pitan'ya, Vol XX,  
No 5, 1961, pp 26-31.

MLL 225 2244

Sci -  
Jul 63

238,181



Manganese Content in Vegetable Food Products of the  
Tomsk Region, by A. I. Vorobieva.

RUSSIAN, per, Voprosy Pitaniya, Vol 20, No 5, 1961,  
pp 35-38.

\*NTIS TT 71-51024

Dec 71

Natural Copper and Zinc Content in Food Products  
Originating From Primorie Territory, by G. P. Gurevish.  
RUSSIAN, per, Voprosy Pitaniya, Vol 20, No 5, 1961,  
pp 38-40.  
\*NTIS TT 71-51024

Dec 71

(SF-2136)

Ways of Increasing the Biological Activity  
of Protein Hydrolysates, by Yu. N. Kremer,  
A. A. Schmidt, 14 pp.

RUSSIAN, per, Voprosy Pitaniya, Vol XX,  
No 6, ~~1961~~ 1961, pp 3-11.

JPRS 12837

Sci - Biol

187,714

Mar 62

(SF-2136)

The Hygienic Evaluation of Food Products  
Treated With Antibiotics, by Yu. I.  
Rubinshteyn, 7 pp.

RUSSIAN, per, Voprosy Pitaniya, Vol XX,  
No 6, 1961, pp 18-22.

JPRS 12837

Sci - Biol

187, 713

Mar 62

Content Level of Certain Microelements  
(iodine, fluorine, cobalt, and copper) in Local  
Food Products of the Altai Mountains, by  
Kolomitseva, 5 pp.

RUSSIAN, per, Voprosy Pitaniya, Vol XX, No 6,  
1961, pp 55-58.

NIH 10-24-63

Sci - Biol & Med  
Nov 63

243,554

(SF-2136)

Effect of KU-1 Cation Exchange Resin  
Treatment of Cow's Milk on Several  
Hygienic Indices of Such Milk, by  
A. V. Bogolyubova, 6 pp.

RUSSIAN, per, Voprosy Pitaniya, Vol XX,  
No 6, 1961, pp 67-70.

JPRS 12637

Sci - Biol

187,676

Mar 62

(NY-6939)

Tube Feeding During Treatment of Patients  
With Severe Burns, by V. I. Filatov,  
T. I. ~~MEINER~~ Golubev, 9 pp.

RUSSIAN, per, Voprosy Pitaniya, Vol XXI,  
No 1, 1962, pp 13-18.

JPRS 13127

Sci - Med  
Apr 62

189, 341

(NY-6939)

Prophylactic Measures for Partial Vitamin  
D Deficiency in Persons Living Under Arctic  
Conditions During the Polar Night, by I.  
M. Karkalitskiy, 6 pp.

RUSSIAN, per, Voprosy Pitaniya, Vol XXI,  
No 1, 1962, pp 45-48.

JPRS 13127

Sci - Med  
Arp 62

189,342



(NY-6939)

Food Products Exposed to Ionization  
Radiation for Preservation and Problems  
of Their Hygienic Evaluation, by Yu. I.  
Shillinger, 11 pp.

RUSSIAN, per, Voprosy Pitaniya, Vol XXI,  
No 1, 1962, pp 54-61.

JPRS 13127

Sci - Med  
Apr 62

189,343

(NY-6939)

Hygienic Characterization of Certain  
Food Products Sterilized by Gamma-Rays,  
by G. I. Bondarev, 5 pp.

RUSSIAN, per, Voprosy Pitaniya, Vol XXI,  
No 1, 1962, pp 61-64.

JPRS 13127

Sci - NSd  
Apr 62

189,344

(NY-6939)

The Effect of Gamma-Rays and Thermal  
Processing on the Destruction of Anterxi-  
dants in Lard, by V. I. Plul'skaya,  
6 pp.

RUSSIAN, per, Voprosy Pitaniya, Vol XXI,  
No 1, 1962, pp 65-68.

JPRS 13127

Sci - Med  
Apr 62

189,345

Effect of Propyl Gallate as Antioxidant on the  
Nutritional Value of Fat, by N. D. Bukhman.  
RUSSIAN, per, Vop Pitaniya, Vol 21, 1962,  
pp 68-72.  
ATS RJ-5476

Sci-B&M  
June 70

Sanitary Characteristics of Aerated Bever-  
ages (Standard Rates of Bacterial Con-  
tamination.), by G. I. Yavelberg.

RUSSIAN, per, Voprosy Pitaniya, Vol XXI,  
No 1, 1962, pp 78-80.

GB/96

Sci-Biol  
July 63

236,274

(NY-6939)

Results of a Discussion on the Problem of  
the Criteria of Human Vitamin Supply, by  
O. P. Melchanova, 7 pp.

RUSSIAN, par, Voprosy Pitaniya, Vol XXI,  
No 1, 1962, pp 87-91.

JPRS 13127

Sci - Med  
Apr 62

189,346

S-53/62

Review of Problems of Vitaminology, by M. F.  
Merozhinskiy, (HY-69A9)

3

RUSSIAN, per, Voprosy Pitaniya, Vol XXI, No 1,  
1962, pp 92- .

\*JPRS

Sci - Med  
2 Feb 62

Lát, J.  
FUNCTIONAL STATE OF THE CENTRAL NERVOUS  
SYSTEM, NUTRITION AND GROWTH DURING  
ONTOGENESIS. [1962] [11]p. 24 refs. FASEB manu-  
script no. S 77-2. 63-15561  
Order from OTS or SLA \$1.60

Trans. of Voprosy Pitaniya (USSR) 1962, v. 21, no. 2,  
p. 3-10.

DESCRIPTORS: Physiology, \*Growth, \*Nervous system,  
\*Nutrition, Psychology, \*Genetics, \*Reaction  
(Psychology).

63-15561

- I. Lát, J.
- II. FASEB S-77-2
- III. Federation of American  
Societies for Experi-  
mental Biology,  
Washington, D. C.
- IV. Scripta Technica, Inc.,  
Washington, D. C.

Office of Technical Services



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PROBLEM OF THE PHYSIOLOGICAL BASIS FOR THE  
NURSING OF PHYSIOLOGICALLY MATURE AND IMMATURE  
NEONATES, BY I. A. ARSHAVSKIY, 7 PP.

RUSSIAN, PER, VOPROSY PITANIYA, VOL XXI, NO 2,  
1962, PP 26-32.

NIH 8-27-62.

SCI - BIOL

213,736

OCT 62

(DC-6761)

THE EFFECT OF INGESTION OF MALT EXTRACT ON  
BIOCHEMICAL CHANGES IN THE BLOOD OF ATHLETES AFTER  
COMPLETING VARIOUS KINDS OF EXERCISES, BY A. F. KRAS-  
NOVA, N. R. CHAGOVETS, 6 PP.

RUSSIAN, PER, VOPROSY PITANIYA, VOL XXI, NO 2,  
1962, PP 37-39.

JPRS 13555

SCI - MED

L92,933

Mineral Composition of the Muscular Tissue in Meat  
and Verification of the Correlation Between the Level  
of Mineral Elements and Protein Therein, by  
Ye. N. Vasilieva.  
RUSSIAN, per, Voprosy Pitaniya, Vol 21, No 2, 1962,  
pp 56-60.  
\*NTIS TT 72-51076

Aug 72

(DC-6761)

THE EFFECT OF X-IRRADIATION ON THIAMINE  
(VITAMIN B1) METABOLISM, BY M. M. KUBAREVA,  
10 PP.

RUSSIAN, PER, VOPROSY PITANIYA, VOL XXI, NO 2,  
1962, PP 76-80.

JPRS 13555

SCI - MED

192,934

Lipoverskaya, E. I.  
THE EFFECT OF AMINAZINE ON SOME ASPECTS  
OF ASCORBIC ACID AND ADRENALIN METABOLISM  
IN ANIMALS CAPABLE AND INCAPABLE OF SYN-  
THESIZING VITAMIN C. [1962] [8]p. 8 refs. FASEB  
manuscript no. S 32-2.

Order from OTS or SLA \$1.10

63-15422

Trans. of Voprosy Pitaniya (USSR) 1962, v. 21, no. 2,  
p. 81-84.

DESCRIPTORS: Drugs, \*Chlorpromazine, \*Ascorbic  
acid, \*Metabolism, \*Epinephrine, Synthesis, Auto-  
nomic agents.

This research indicates that the metabolism of ascorbic  
acid and adrenalin is regulated both by the peripheral  
nervous system and by the higher divisions of the cen-  
tral nervous system. (Author)  
(Biological Sciences--Physiology, TT, v. 9, no. 9)

63-15422

- I. Lipoverskaya, E. I.
- II. FASEB S-32-2
- III. Federation of American  
Societies for Experi-  
mental Biology,  
Washington, D. C.
- IV. Scripta Technica, Inc.,  
Washington, D. C.

Office of Technical Services

(DC-6939)

NEW POLYMER MATERIALS USED FOR FOOD PACKAGING,  
BY S. V. GENEL, 12 PP.

RUSSIAN, PER, VOPROSY PITANIYA, VOL XXI, NO 3,  
MAY-JUN 1962, PP 3-8.

JPRS 14836

SCI - CHEM  
AUG 62

*ACSI I-1837*  
*ID 2235117* 207,100  
*525th MI BN*

Avshalumova, A. D.  
DETERMINATION OF FRESHNESS OF MEAT BY THE  
PARTITION CHROMATOGRAPHY ON PAPER [1962]  
[11]p. 7 refs. FASEB manuscript no. S 332-2.  
Order from OTS or SLA \$1.60 63-19021

Trans. of Voprosy Pitaniya (USSR) 1962, v. 21,  
no. 3, p. 22-28.

DESCRIPTORS: \*Meat, \*Chromatographic analysis,  
Amino acids, Anomonia, Decomposition.

A quantitative analysis of the decomposition of meat  
proteins is made to determine the freshness of meat  
after prolonged storage. The individual amino acids  
are studied via partition paper chromatography. The  
procedure is described in detail. Other analytical  
methods used include bacterioscopy; pH determination;  
reaction with  $\text{CuSO}_4$  peroxidase, and formal; and visual  
fluorescence. The free amino acids as seen in the  
chromatogram are listed. The presence of threonine  
and methionine are noted.

63-19021

- I. Avshalumova, A. D.
- II. FASEB S-332-2
- III. Federation of American  
Societies for Experimental  
Biology, Washington, D.C.
- IV. Scripta Technica, Inc.,  
Washington, D. C.

(Food, TT, v. 10, no. 6)  
Office of Technical Services

63-19022

Vozar, Libor.  
ALUMINUM CONTENT IN AN ORDINARY DIET AND  
ITS BIOLOGICAL SIGNIFICANCE. [1962] [9]p.  
18 refs. FASEB manuscript no. S 324-2.  
Order from OTS or SLA \$1.10 63-19022

Trans. of Voprosy Pitaniya (USSR) 1962, v. 21, no. 3,  
p. 28-31.

DESCRIPTORS: \*Aluminum, \*Diet, Metabolism,  
\*Phosphorus, Food, Cooking devices,

Food products of plant origin in general contain more  
Al than those of animal origin. Relatively high amounts  
of Al were found in lentils, peas, mushrooms, and  
spinach; large quantities were found in flour and rice.  
The commonly used vegetables contained less Al, but  
more than fruits. Very low amounts of Al exist in meat  
and meat products. The largest amount of P was found  
in meat, and then flour; insignificant amounts were  
(Food, TT, v. 10, no. 6) (over)

- I. Vozar, L.
- II. FASEB S-324-2
- III. Federation of American  
Societies for Experi-  
mental Biology,  
Washington, D. C.
- IV. Scripta Technica, Inc.,  
Washington, D. C.

Office of Technical Services



(DC-6939)

ADAPTATION OF ANIMAL ORGANISMS TO CONDITIONS  
OF VARYING INTAKE OF SATURATED AND NON-SATURATED  
FATTY ACIDS, BY M. F. MEREZHINSKIY, S. M.  
NIKITINA, 7 PP.

RUSSIAN, PER, VOPROSY PITANIYA, VOL XXI, NO 3,  
MAY/JUN 1962, PP 38-40.

JPRS 14836

SCI - CHEM

AUG '62

207,101

(DC-6939)

SECRETION OF PANCREATIC ENZYMES AT HIGH  
TEMPERATURE IN RESPONSE TO VARIOUS FOOD  
STIMULANTS, BY YU. A. SHCHERBAKOV, 9 PP.

RUSSIAN, PER, VOPROSY PITANIYA, VOL XXI, NO 3,  
MAY/JUN 1962, PP 61-66.

JPRS 14836

SCI - CHEM

AUG 62

207,102

63-19002

Alieva, V. I.  
THE EFFECT OF EXPERIMENTAL GASTRITIS ON  
THE RATE OF ENTRY INTO THE LARGE BOWEL  
OF FOOD SUBJECTED TO VARIOUS TYPES OF  
MECHANICAL PROCESSING. [1962] [12]p. 3 refs.  
FASEB manuscript no. S 153-2.  
Order from OTS or SLA \$1.60

63-19002

Trans. of Voprosy Pitaniya (USSR) 1962, v. 21,  
no. 3, p. 66-71.

DESCRIPTORS: \*Gastritis, Intestine, \*Food, Process-  
ing, \*Gastrointestinal system, Stomach, Physical  
properties, Physiology.

Two dogs were subjected to experimental gastritis by a  
mixture of a 0.5% solution of HCl with natural gastric  
juice. Instead of the usual mixed standard food ration,  
the rations were ground in a meat grinder or homoge-  
(Biological Sciences--Pathology, TT, v. 10, no. 6)(over)

- I. Alieva, V. I.
- II. FASEB S-153-2
- III. Federation of American  
Societies for  
Experimental Biology,  
Washington, D. C.
- IV. Scripta Technica, Inc.,  
Washington, D. C.

Office of Technical Services

TABLE K OF CONTENTS OF PROBLEMS ON NUTRITION,  
5 PP.

RUSSIAN, BK, VOPROSY PITANIYA, KIEV 1962.

JPRS 22493

SCI-MED  
DEC. 63

244,838

IONITE MILK -- A NEW PRODUCT FOR FEEDING YOUNG  
CHILDREN, BY A. S. SKOROPOSTIZHNAYA, O. N. YAKOVLEVA,  
ET AL, 5 PP.

RUSSIAN, BK, VOPROSY PITANIYA, KIEV, 1962,  
PP 78-81.

JPRS 22493

SCI-MED  
DEC 63

244,836

Greben'kov, S. G.

THE EFFECT OF VITAMIN C DEFICIENCY ON THE  
URINARY EXCRETION OF CREATINE AND CRE-  
ATININE. [1963] [8p. FASEB manuscript no. S364-2.  
Order from OTS or SLA \$1.00 63-23028

Trass. of Voprosy Pitaniya (USSR) 1962, v. 21, no. 3,  
p. 80-81.

DESCRIPTORS: \*Ascorbic acid, \*Creatine, \*Cre-  
atinine, Urine, Excretion, Diagnosis, \*Deficiency  
diseases.

The value of urinary excretion of creatine and cre-  
atinine as an indicator of vitamin C deficiency was  
evaluated. The 24 hour urinary excretion of 35 farm  
workers was analyzed. The study was done in the  
spring and summer. The workers ranged in age from  
17 to 40. They had no clinical manifestation of vitamin  
(Biological Sciences--Pathology, TT, v. 10, no. 9)

(over)

63-23028

I. Greben'kov, S. G.

II. FASEB S-364-2

III. Federation of American  
Societies for Experi-  
mental Biology,

Washington, D. C.

IV. Scripta Technica, Inc.,  
Washington, D. C.

Office of Technical Services

S-1119/63

Problems of Nutrition, by A. T. Stovboon, ~~XXXXXXXXXXXX~~  
V. G. Parteshko. (SF-2929)

RUSSIAN, bk, Voprosy Pitaniya, 1962, pp , 85-87,  
~~20-2005~~

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*Her*  
\*JPRS

Sci - Biol & Med Sci  
Dec 63

(DC-6939)

SOME DATA ON THE NATURAL RADIOACTIVITY OF FOOD  
PRODUCTS, BY N. N. ~~EX~~ GRIGOR'YANTS, 4 PP.

RUSSIAN, PER, VOPROSY PITANIYA, VOL XXI, NO 3,  
MAY/JUN 1962, PP 89, 90.

JPRS 14836

SCI - CHEM

OTS 77-63-23900

AUG 62

207,103



The Effects of Nervous Tension on the Requirement  
of the Organism for Certain Vitamins, XI by  
G. A. Arutyunov, I. I. Antuf'yev, 11 pp.

RUSSIAN, per, Voprosy Pitanya, Vol XXI,  
No 4, 1962, pp 3-10.

JPRS 15427

Sci - Med  
Oct 62

212,476

Potilin, N. I. and Staritskaya, L. N.  
EFFECT OF VARIOUS DIETS ON GASTRIC SE-  
CRETION WITH LONG INTERVALS BETWEEN MEALS  
AND WHEN MEALS ARE TAKEN HAPHAZARDLY.  
[1962] [11]p. 4 refs. FASEB manuscript no. S 83-2.  
Order from OIS or SLA \$1.60 63-15988

Trans. of Voprosy Pitaniya (USSR) 1962, v. 21,  
no. 4, p. 25-30.

DESCRIPTORS: \*Diet, \*Gastrointestinal system,  
Stomach, \*Secretion, Starvation.

The effect of feeding patterns, long intervals between  
meals, and a haphazard arrangement of meals on  
gastric secretion was studied. Long intervals between  
meals resulted in a lower level of secretion and lower  
volume, digestive power, and acidity of the gastric  
juice due to the uneven strain on the stomach's  
functioning and its subsequent disturbances. Other  
(Food, 17, v. 10, no. 6) (over)

63-15988

- I. Potilin, N. I.
- II. Staritskaya, L. N.
- III. FASEB S-83-2
- IV. Federation of American  
Societies for Experimental  
Biology, Washington, D. C.
- V. Scripta Technica, Inc.,  
Washington, D. C.

Office of Technical Services

The Application of Protein Hydrolyzate in  
Certain Diseases of the Digestive Organs by  
the Order of Lenin Institute of Blood Trans-  
fusions, by V. A. Gleneva, N. M. Grusdeva,  
4 pp.

RUSSIAN, per, Voprosy Pitaniya, Vol XXI,  
No 4, 1962, pp 42-45.

JPRS 15427

2/2,477

Sci - Med  
Oct 62